

Inspection Report with SI&A Data

Structure Description: 82.02 Foot - Single Span Concrete Frame (except frame culverts)

2 District: 05 **3 County:** Jefferson **16 Latitude:** 38°14'14.00" **7 Longitude:** 85°39'52.00"

7 Facility Carried: OLD CANNONS LN

Milepoint: 0.420

6A Feature Intersected: MID FK BEARGRASS CREEK

9 Location: BTWN SENECA PK RD - I-64

NBI	X
Element	X
Fracture Critical	
Underwater	
Special	

NBI CONDITION RATINGS			
58 Deck:	6	61 Channel:	7
59 Superstructure:	7	62 Culvert:	N
60 Substructure:	7	Sufficiency Rating:	59.9

GEOMETRIC DATA		
48 Max Length Span:		73.670 ft
49 Structure Length:		82.016 ft
32 Approach Roadway:		32.999 ft
33 Median:		(0) No Median
34 Skew:		35°
35 Flare:		No Flare
50A Curb/Sidewalk Width L:		5.000 ft
50B Curb/Sidewalk Width R:		0.750 ft
47 Horiz. Clearance:		31.250 ft
51 Width Curb to Curb:		31.250 ft
52 Width Out to Out:		40.000 ft

DESIGN	
Substandard:	No
Fracture Critical:	No FC Details
43A Main Span Material:	(1) Concrete
43B Main Span Design:	(07) Frame
45 Number of Spans Main:	1
44A Approach Span Material:	Not Applicable
44B Approach Span Design:	Not Applicable
46 Number of Approach Spans:	0
107 Deck Type:	(1) Concrete-Cast-in-Place
108A Wearing Surface:	(1) Monolithic Concrete
108B Membrane:	(0) None
108C Deck Protection:	(0) None
Overlay Y/N:	No
Overlay Type:	None
Overlay Thickness:	-1.000 in
Overlay Date:	

ADMINISTRATIVE		
27 Year Built:		1969
106 Year Reconstructed:		0
42A Type of Service On:		(1) Highway
42B Type of Service Under:		(5) Waterway
37 Historical Significance:		(5) Not Eligible
21 Maintenance Responsibility:		(02) County Hwy Agency
22 Owner:		(02) County Hwy Agency
101 Parallel Structure:		(N) No II Structure Exists

APPRAISAL		
36A Bridge Railings:	(0) Substandard	
36B Transitions:	(0) Substandard	
36C Approach Guardrail:	(0) Substandard	
36D Approach Guardrail Ends:	(0) Substandard	
71 Waterway Adequacy:	(8) Equal Desirable	
72 Approach Alignment:	(8) Equal Desirable Crit	
113 Scour Critical:	(8) Stable above footing	
Recommended Scour Critical:	(8) Stable above footing	

CLEARANCES		
10 Vert. Clearance:		99.999 ft
53 Min. Vert. Clearance Over:		99.999 ft
54A Vert. Under Reference:		(N) Feature not hwy or RR
54B Min. Vert. Underclearance:		0.000 ft
55A Lateral Under Reference:		(N) Feature not hwy or RR
55B Min. Lat. Underclearance R:		0.000 ft
56 Min. Lat. Underclearance L:		0.000 ft

LOAD RATINGS		
63 Operating Type:	(2) Allowable Stress (AS)	
64 Operating Rating:	20.0 tons	
65 Inventory Type:	(2) Allowable Stress (AS)	
66 Inventory Rating:	20.0 tons	
Truck Capacity Type I:	20 tons	
Truck Capacity Type II:	20 tons	
Truck Capacity Type III:	20 tons	
Truck Capacity Type IV:	20 tons	

POSTINGS		
41 Posting Status:		(A) Open, No Restriction
Signs Posted Cardinal:		No
Signs Posted Non-Cardinal:		No
Field Postings Gross:		-1 tons
Field Postings Type I:		-1 tons
Field Postings Type II:		-1 tons
Field Postings Type III:		-1 tons
Field Postings Type IV:		-1 tons

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38: Re Concrete Slab

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	3,280.64	0	0%	3,280.64	100%	0	0%	0	0%

Top of the concrete deck has scattered minor to moderate cracks - worse near both ends of the deck. Very minor spalling near the armored edge at the south end. Soffit has minor transverse cracking near mid-span and exposed / corroded rebar in NW corner.

215: Re Conc Abutment

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	98	98	100%	0	0%	0	0%	0	0%

Abutments have graffiti painted on them - south abutment is worse. Very minor erosion at the northeast corner. Some minor scour at the north abutment from near the centerline to the east side - normal flow is against the north abutment.

333: Other Bridge Railing

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	164	129	79%	34	21%	1	1%	0	0%

Concrete plinths with metal railing. Plinths have minor cracking, deterioration and scaling.

803: Curb

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(LF)	164	145	88%	19	12%	0	0%	0	0%

Curbs have minor cracking (5' CS2) and some moderate scaling (14' CS2) near the northeast corner.

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804: Sidewalk

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(LF)	82	71	87%	11	13%	0	0%	0	0%

Sidewalk has some minor cracks.

STRUCTURE NOTES

-Old Cannons Lane runs from south to north, Seneca Park Road to the south and I-64 underpass to the north.

INSPECTION NOTES

Since this deck is cracking, it would be a good idea to apply a thin epoxy overlay (such as "Poly-carb") to seal the cracks and protect the deck/rigid frame structure. (I concur with this recommendation MSG 12-17-15).

WORK

Action:	-
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